

Amendments to the Specification:

Please replace the paragraph beginning on Page 10 at line 20 and ending on Page 11 at line 6 with the following amended paragraph:

It may be understood by those skilled in the art, that an alternate embodiment of the present invention includes photoablation of corneal tissue with each saccadic movement of the eye 18. Importantly, in this alternate embodiment of the present invention, the confocal arrangement 22 is not used to identify the base point 14. Of note, when the light source 32 is moved five degrees (5°) in either direction along the arc 46, the corresponding lateral distance on the surface of the cornea 40 is about 0.3mm. [[In]] It happens that with movements in excess of 0.2mm, the confocal arrangement 22 is not the optimal device for identifying the base point 14. Consequently, when it is necessary to identify the position of the eye 18 after each saccadic movement, the wavefront sensor 24 is used. Using the wavefront sensor 24 to identify the position of the eye 18 allows for photoablation with each saccadic movement of the eye 18. This operational mode of “move-fixate-verify-ablate, move-fixate-verify-ablate” can be repeated as the light source 32, and hence the optical axis 16 of the eye 18, moves back and forth between the first position 42 and second position 44. In addition to identifying the position of the eye 18, the wavefront sensor 24 can be used to help define a new surgical pattern for photoablation when procedural conditions require such a pattern.